Page 2

## Amendments to the Claims

- 1. (original) A cryptographic key split combiner, comprising:
- a) a plurality of key split generators for generating cryptographic key splits; and
- a key split randomizer for randomizing the cryptographic key splits to produce a cryptographic key;
- c) wherein each of said key split generators includes means for generating key splits from seed data.
- (original) The cryptographic key split combiner of claim 1, wherein said plurality of key split generators includes a random split generator for generating a random key split based on reference data.
- 3. (original) The cryptographic key split combiner of claim 2, wherein said random split generator includes means for generating a random sequence based on the reference data.
- 4. (original) The cryptographic key split combiner of claim 2, wherein said random split generator includes means for generating a pseudorandom sequence based on the reference data.

- 5. (original) The cryptographic key split combiner of claim 2, wherein said random split generator includes means for generating a key split based on the reference data and on chronological data.
- 6. (original) The cryptographic key split combiner of claim 2, wherein said random split generator includes means for generating a key split based on the reference data and on static data.
- 7. (original) The cryptographic key split combiner of claim 6, further including means for updating the static data.
- 8. (original) The cryptographic key split combiner of claim 7, wherein the means for updating the static data includes means for modifying a prime number divisor of the static data.
- 9. (original) The cryptographic key split combiner of claim 1, wherein said plurality of key split generators includes a token split generator for generating a token key split based on label data.
- 10. (original) The cryptographic key split combiner of claim 9, further comprising means for reading the label data from a storage medium.

- 11. (original) The cryptographic key split combiner of claim 9, wherein the label data includes user authorization data.
- 12. (original) The cryptographic key split combiner of claim 9, wherein said token split generator includes means for generating a random sequence based on the label data.
- 13. (original) The cryptographic key split combiner of claim 9, wherein said token split generator includes means for generating a pseudorandom sequence based on the label data.
- 14. (original) The cryptographic key split combiner of claim 9, wherein said token split generator includes means for generating a key split based on the label data and on organization data.
- 15. (original) The cryptographic key split combiner of claim 9, wherein said token split generator includes means for generating a key split based on the label data and on static data.
- 16. (original) The cryptographic key split combiner of claim 15, further including means for updating the static data.

Page 5

Page 6

17. (original) The cryptographic key split combiner of claim 16, wherein the means for updating the static data includes means for modifying a prime number divisor of the static data.

703 248 9244;

- 18. (original) The cryptographic key split combiner of claim 1, wherein said plurality of key split generators includes a console split generator for generating a console key split based on maintenance data.
- 19. (original) The cryptographic key split combiner of claim 18, wherein said console split generator includes means for generating a random sequence based on the maintenance data.
- 20. (original) The cryptographic key split combiner of claim 18, wherein said console split generator includes means for generating a pseudorandom sequence based on the maintenance data.
- 21. (original) The cryptographic key split combiner of claim 18, wherein said console split generator includes means for generating a key split based on previous maintenance data and on current maintenance data.
- 22. (original) The cryptographic key split combiner of claim 18, wherein said console split generator includes means for generating a key split based on the maintenance data and on static data.

Page 6

- 23. (original) The cryptographic key split combiner of claim 22, further including means for updating the static data.
- 24. (original) The cryptographic key split combiner of claim 22, wherein the means for updating the static data includes means for modifying a prime number divisor of the static data.
- 25. (original) The cryptographic key split combiner of claim 1, wherein said plurality of key split generators includes a biometric split generator for generating a biometric key split based on biometric data.
- 26. (original) The cryptographic key split combiner of claim 25, wherein said biometric split generator includes means for generating a random sequence based on the biometric data.
- 27. (original) The cryptographic key split combiner of claim 25, wherein said biometric split generator includes means for generating a pseudorandom sequence based on the biometric data.
- 28. (original) The cryptographic key split combiner of claim 25, wherein said biometric split generator includes means for generating a key split based on biometric data vectors and on biometric combiner data.

- 29. (original) The cryptographic key split combiner of claim 25, wherein said biometric split generator includes means for generating a key split based on the biometric data and on static data.
- 30. (original) The cryptographic key split combiner of claim 29, further including means for updating the static data.
- 31. (original) The cryptographic key split combiner of claim 30, wherein the means for updating the static data includes means for modifying a prime number divisor of the static data.
- 32. (original) The cryptographic key split combiner of claim 1, wherein the cryptographic key is a stream of symbols.
- 33. (original) The cryptographic key split combiner of claim 1, wherein the cryptographic key is at least one symbol block.
- 34. (original) The cryptographic key split combiner of claim 1, wherein the cryptographic key is a key matrix.
  - 35. (original) A process for forming cryptographic keys, comprising:
  - a) generating a plurality of cryptographic key splits from seed data; and

- b) randomizing the cryptographic key splits to produce a cryptographic key.
- 36. (original) The process of claim 35, wherein generating a plurality of cryptographic key splits includes generating a random key split based on reference data.
- 37. (original) The process of claim 36, wherein generating a random key split includes generating a random sequence based on the reference data.
- 38. (original) The process of claim 36, wherein generating a random key split includes generating a pseudorandom sequence based on the reference data.
- 39. (original) The process of claim 36, wherein generating a random key split includes generating a key split based on the reference data and on chronological data.
- 40. (original) The process of claim 36, wherein generating a random key split includes generating a key split based on the reference data and on static data.
  - 41. (original) The process of claim 40, further including updating the static data.
- 42. (original) The process of claim 41, wherein updating the static data includes modifying a prime number divisor of the static data.

Page 9

43. (original) The process of claim 35, wherein generating a plurality of cryptographic key splits includes generating a token key split based on label data.

703 248 9244;

- 44. (original) The process of claim 43, further comprising reading the label data from a storage medium.
- 45. (original) The process of claim 43, wherein the label data includes user authorization data.
- 46. (original) The process of claim 43, wherein generating a token key split includes generating a random sequence based on the label data.
- 47. (original) The process of claim 43, wherein generating a token key split includes generating a pseudorandom sequence based on the label data.
- 48. (original) The process of claim 43, wherein generating a token key split includes generating a key split based on the label data and on organization data.
- 49. (original) The process of claim 43, wherein generating a token key split includes generating a key split based on the label data and on static data.
  - 50. (original) The process of claim 49, further including updating the static data.

Page 10

Page 11/14

- 51. (original) The process of claim 50, wherein updating the static data includes modifying a prime number divisor of the static data.
- 52. (original) The process of claim 35, wherein generating a plurality of cryptographic key splits includes generating a console key split based on maintenance data.
- 53. (original) The process of claim 52, wherein generating a console key split includes generating a random sequence based on the maintenance data.
- 54. (original) The process of claim 52, wherein generating a console key split includes generating a pseudorandom sequence based on the maintenance data.
- 55. (original) The process of claim 52, wherein generating a console key split includes generating a key split based on previous maintenance data and on current maintenance data.
- 56. (original) The process of claim 52, wherein generating a console key split includes generating a key split based on the maintenance data and on static data.
  - 57. (original) The process of claim 56, further including updating the static data.

Page 11

58. (original) The process of claim 56, wherein the updating the static data includes modifying a prime number divisor of the static data.

703 248 9244;

- 59. (original) The process of claim 35, wherein generating a plurality of cryptographic key splits includes generating a biometric key split based on biometric data.
- 60. (original) The process of claim 59, wherein generating a biometric key split includes generating a random sequence based on the biometric data.
- 61. (original) The process of claim 59, wherein generating a biometric key split includes generating a pseudorandom sequence based on the biometric data.
- 62. (original) The process of claim 59, wherein generating a biometric key split includes generating a key split based on biometric data vectors and on biometric combiner data.
- 63. (original) The process of claim 59, wherein generating a biometric key split includes generating a key split based on the biometric data and on static data.
  - 64. (original) The process of claim 63, further including updating the static data.

Sent By: IP Strategies, P.C.;

Application No. 09/023,672 Amendment

Page 12

65. (original) The process of claim 63, wherein updating the static data includes modifying a prime number divisor of the static data.

66-71. (canceled)